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**Search scope:** JP (bibliographic data only)

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**JP58122630 A**  
**SUPPORTER OF OPTICAL HEAD**  
**BLOCK IN OPTICAL RECORDER AND**  
**REPRODUCER**  
MATSUSHITA ELECTRIC IND CO LTD

**Abstract:**

**PURPOSE:** To form a drive mechanism for focusing and tracking, by making an optical system contained in a head block formed in arm shape and supporting the head block freely rotatably in taking the center of gravity of the head block as a fulcrum.

**CONSTITUTION:** The head block 20 is formed in an arm shape and the inside of the block is fitted with a semiconductor laser 21, a collimator lens 22, a half mirror 23, a detection lens 24, an optical detector 25, a fixed mirror 26, and an objective lens 27. The head block 20 is supported rotably on a plane vertical to a recording medium 29 with a pivot bearing 28 and on a plane in parallel with the medium 29 with a roller bearing 30. The drive to each direction is done with an electromagnetic drive unit 31.

[loading drawing]

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**Int'l Class:** G11B00708

G02B00702 G11B02102

**Patents Citing This One (5):**

- EP0744737 A1 19961127 TAM CO., LTD  
OPTICAL PICKUP DRIVING DEVICE FOR  
OPTICAL DISK
- US4922477 A 19900501 NEC Home Electronics Ltd.  
Optical head unit
- WO2004027766 A1 20040401 KONINKLIJKE PHILIPS ELECTRONICS  
N.V.  
OPTICAL DISC APPARATUS
- WO2004027767 A1 20040401 KONINKLIJKE PHILIPS ELECTRONICS  
N.V.  
OPTICAL DISC APPARATUS
- WO2004049320 A1 20040610 KONINKLIJKE PHILIPS ELECTRONICS  
N.V.  
PIVOTING OPTICAL DEVICE



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